Bias Tees for Satellite Receiving Systems
- Emphasis on GPS Receivers -

by

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Uses for bias tees:

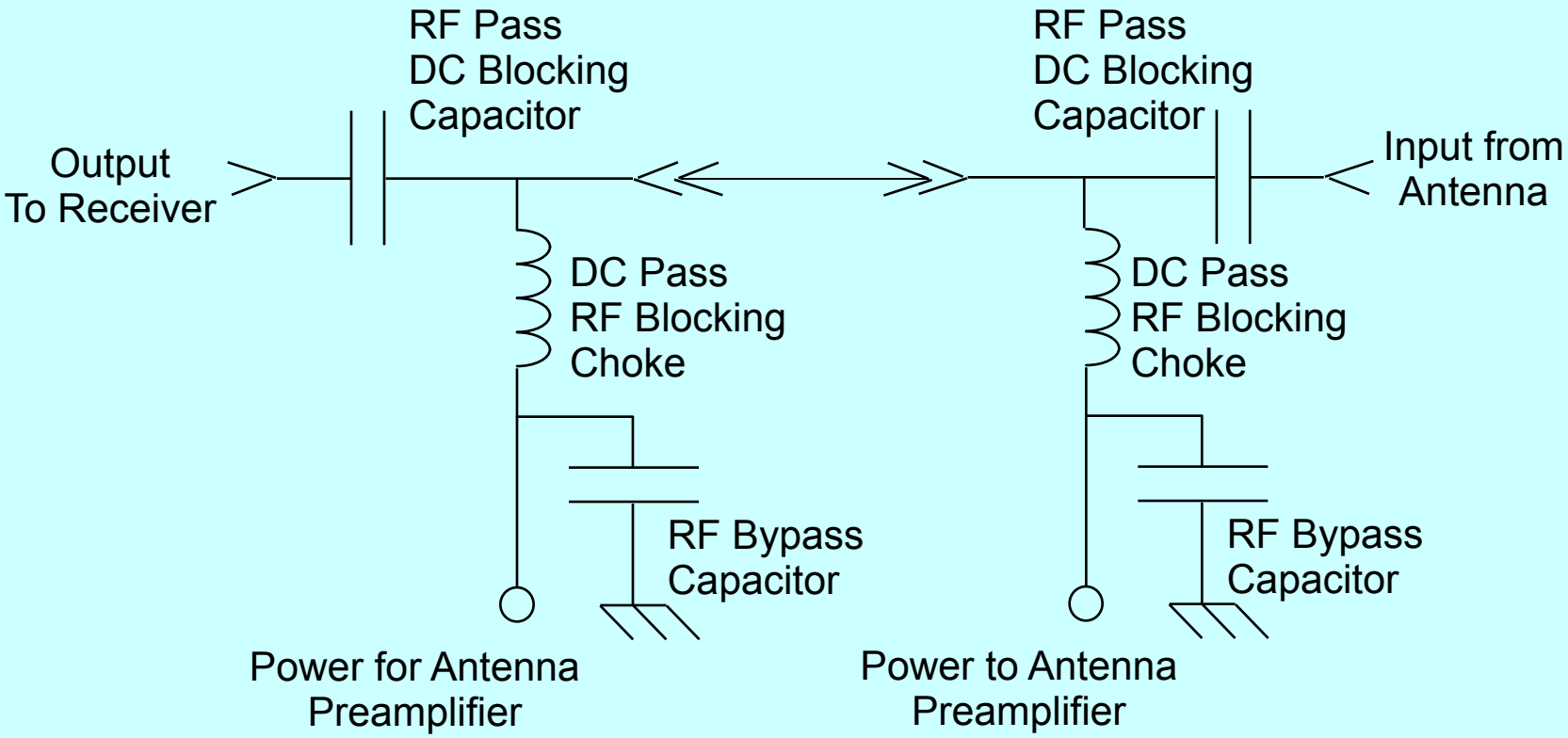
- Supply power, ac or dc, to remote preamplifier or other device.
- Provide isolated ground return for diode detectors.
- Provide switching/command path independent of signal.

Why even use a bias tee?

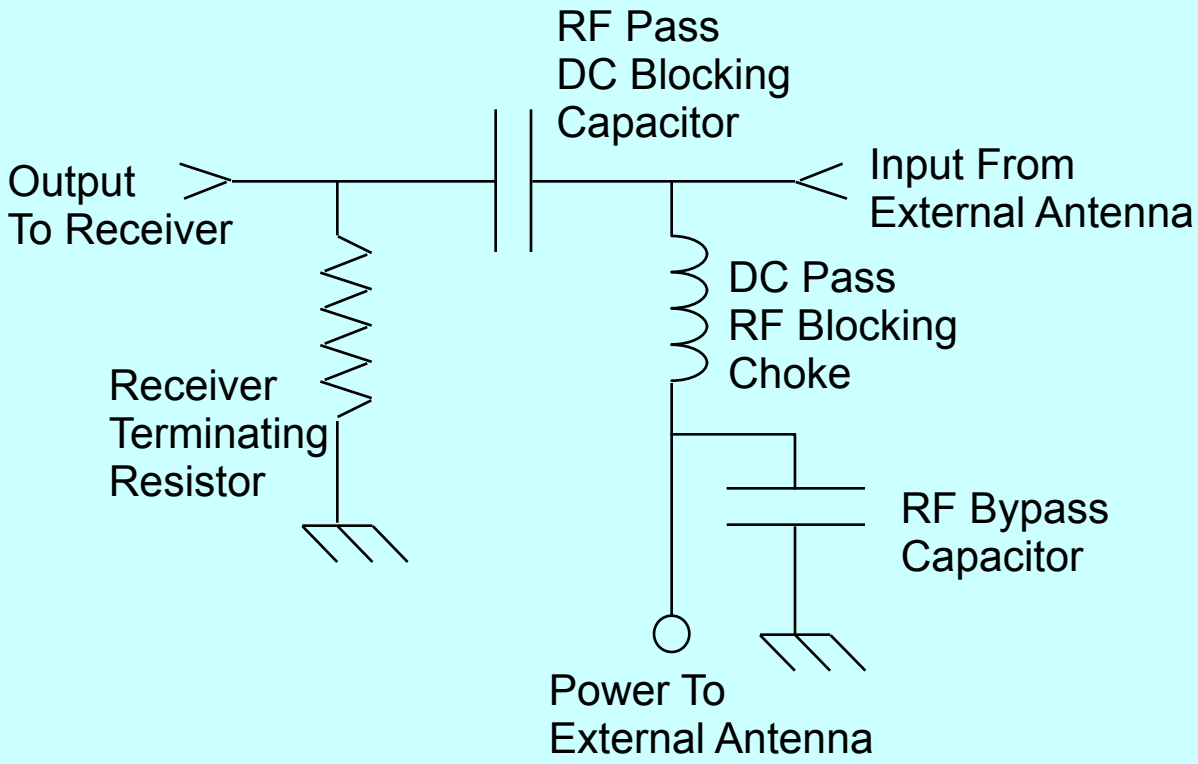
- One less cable to purchase, run, and maintain.
- One less set of connectors to purchase, install, and maintain.
- Power or control line is shielded.

Four GPS Bias Tee Cases:

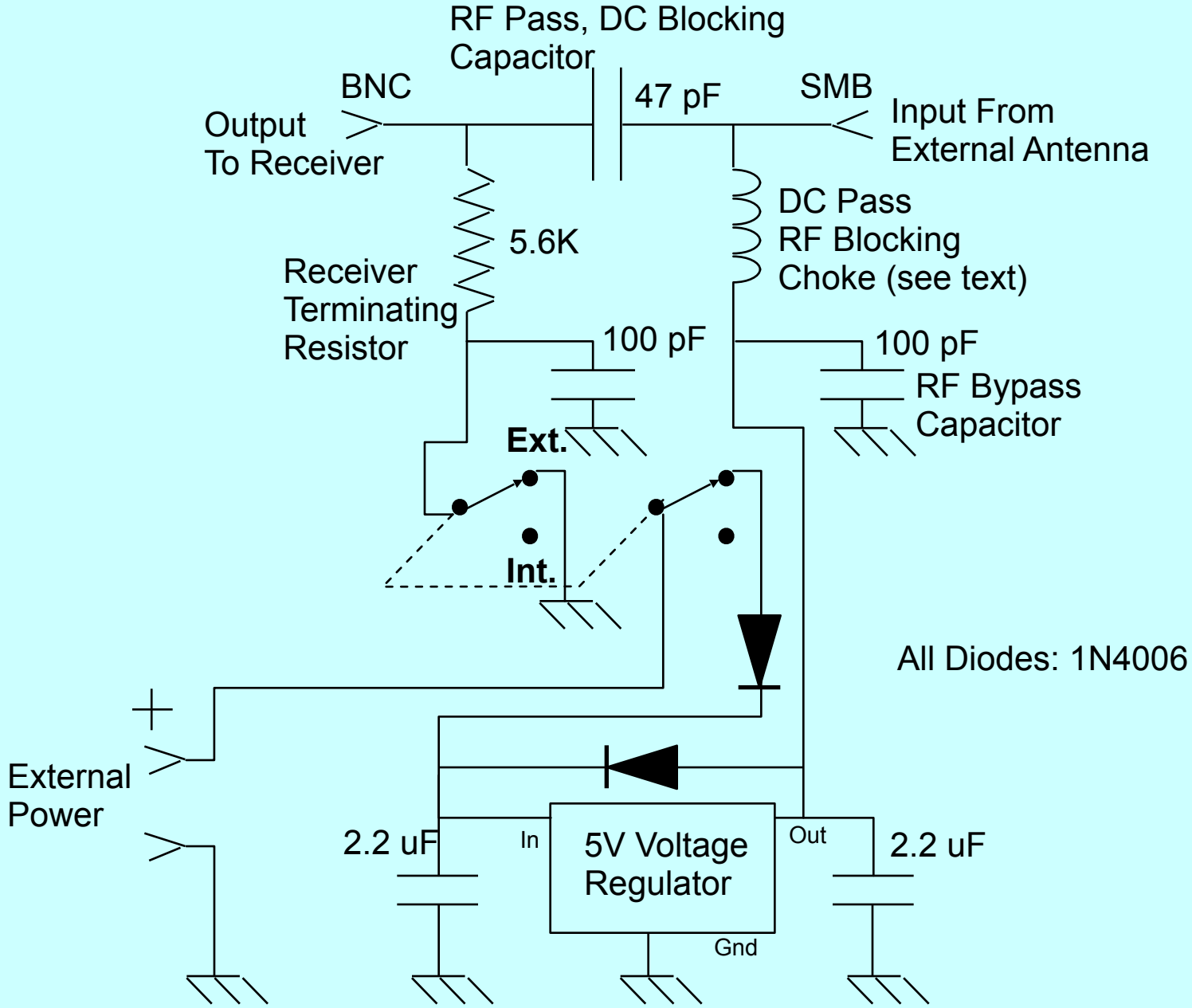
- **Power for external antenna in my car**
  (5V Antenna, 2.4V Receiver, 13.8V Car)
- **Isolate receivers from distribution amplifier**
  (Various Voltage Receivers, 5V on Line)
- **GPS76 receiver antenna isolator**
  (Terminate Receiver, Isolate Antenna)
- **Universal antenna and receiver interface**
  (Various Receivers, Various Antennas)



Classic Basic Bias Tee Circuit

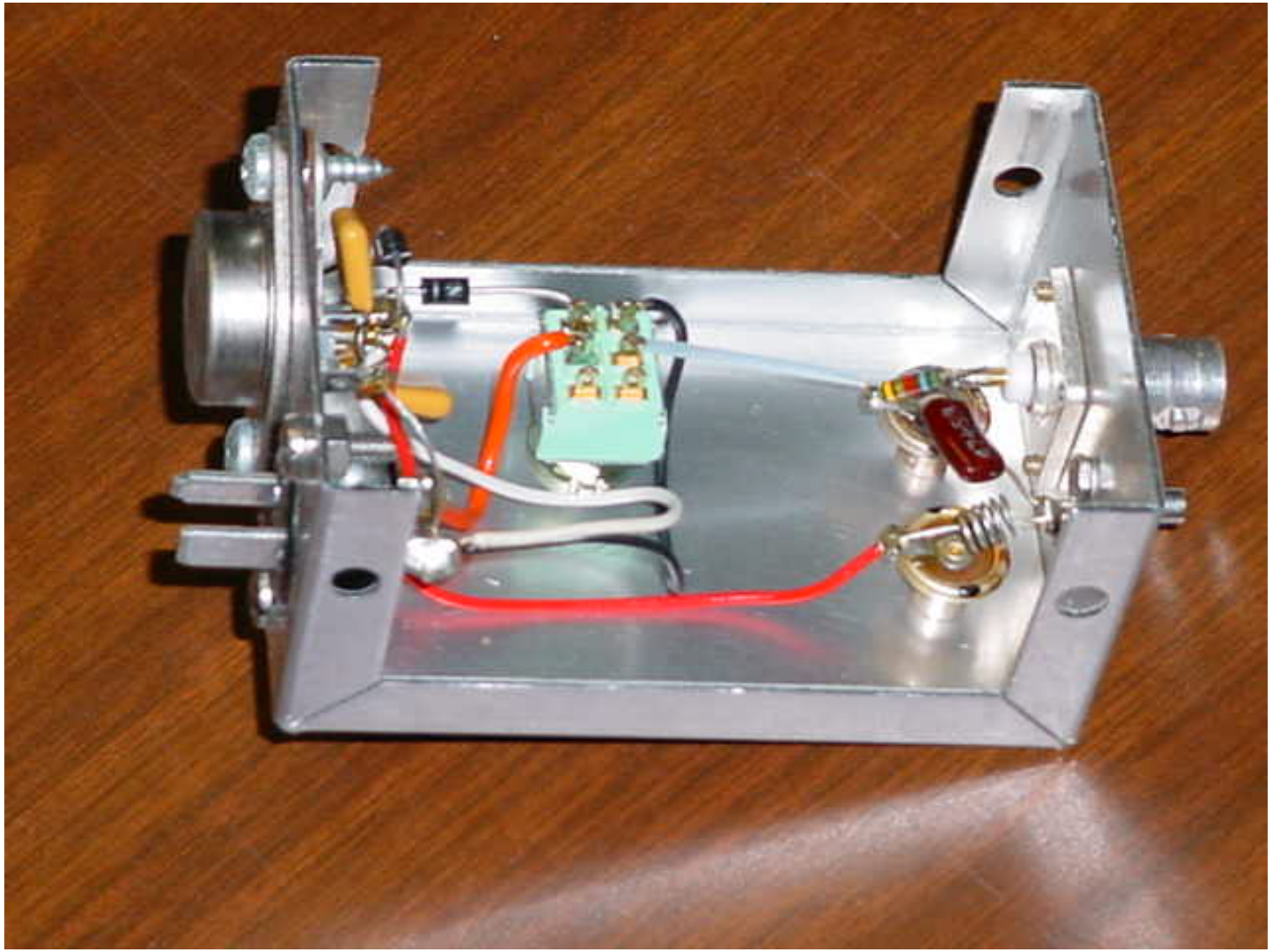


Basic GPS Receiver Bias Tee Circuit

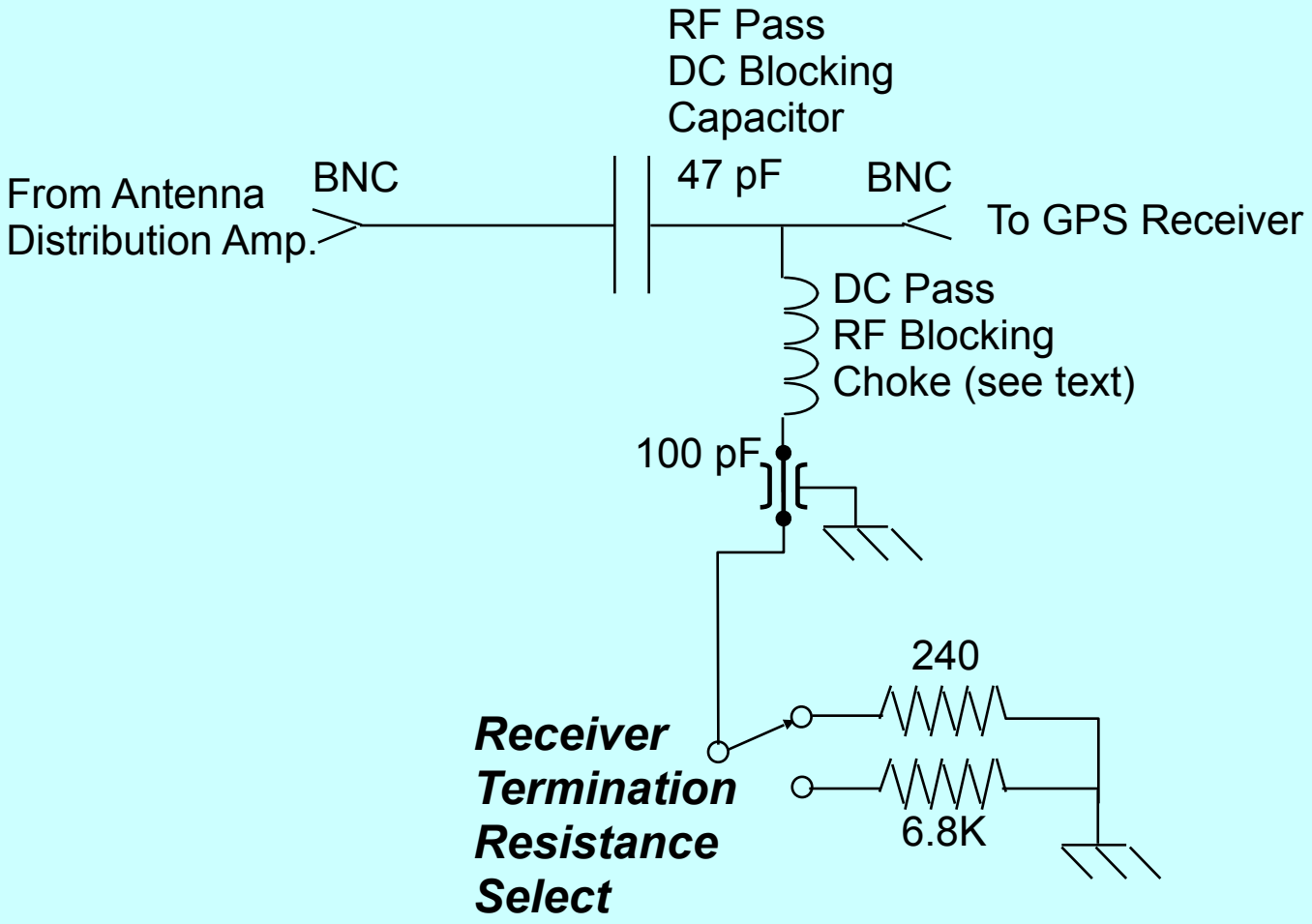


Enhanced Bias Tee Circuit

GPS12MAP Bias Tee, External View

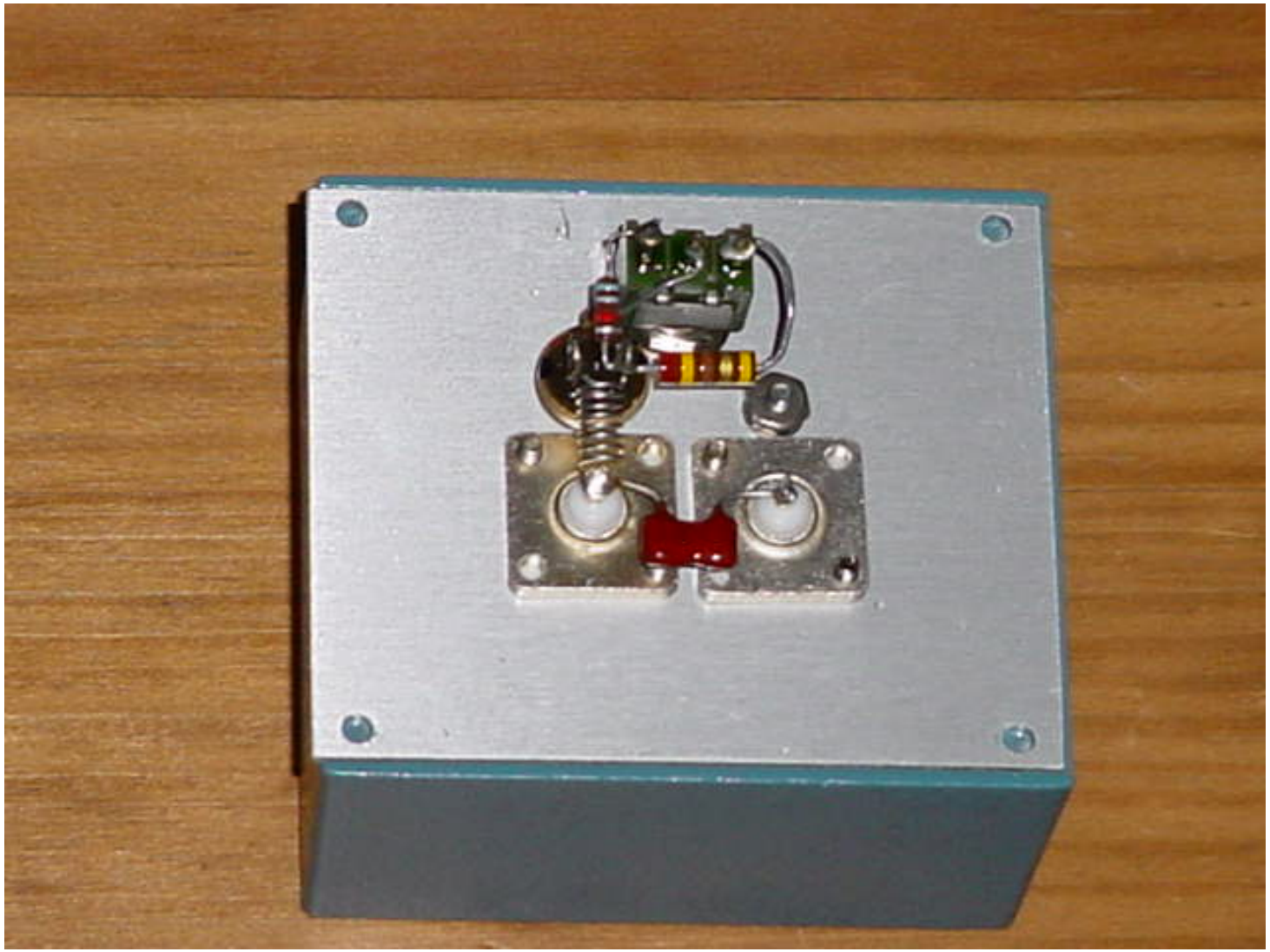


GPS12MAP Bias Tee, Internal View

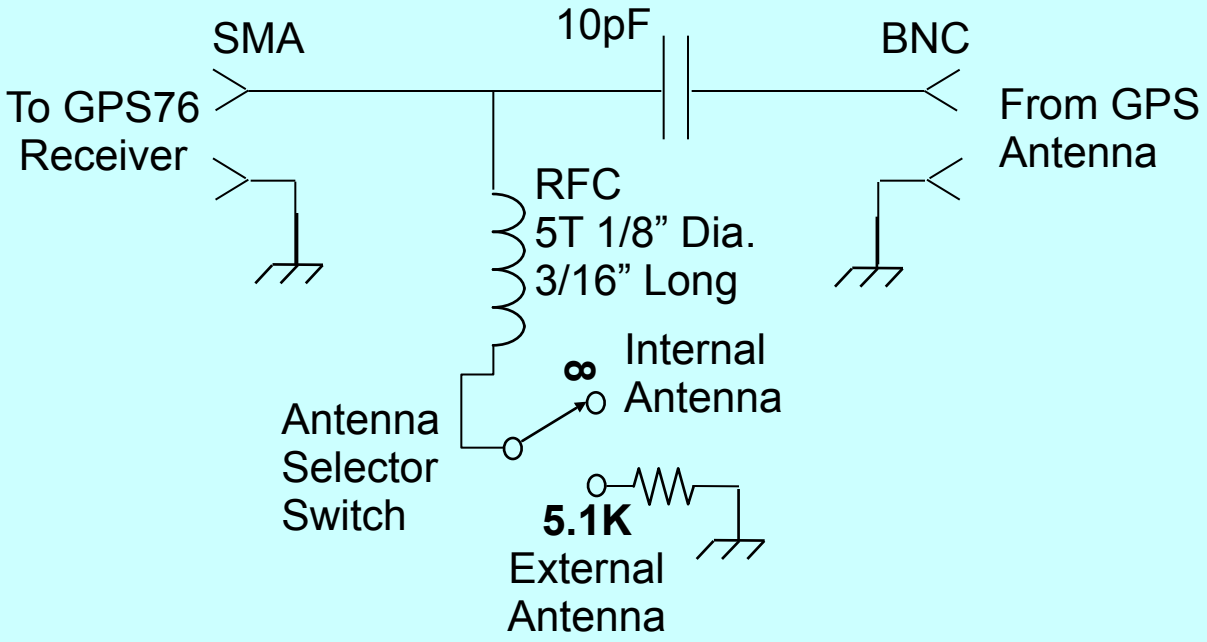


Bias Tee for Distribution Amplifier

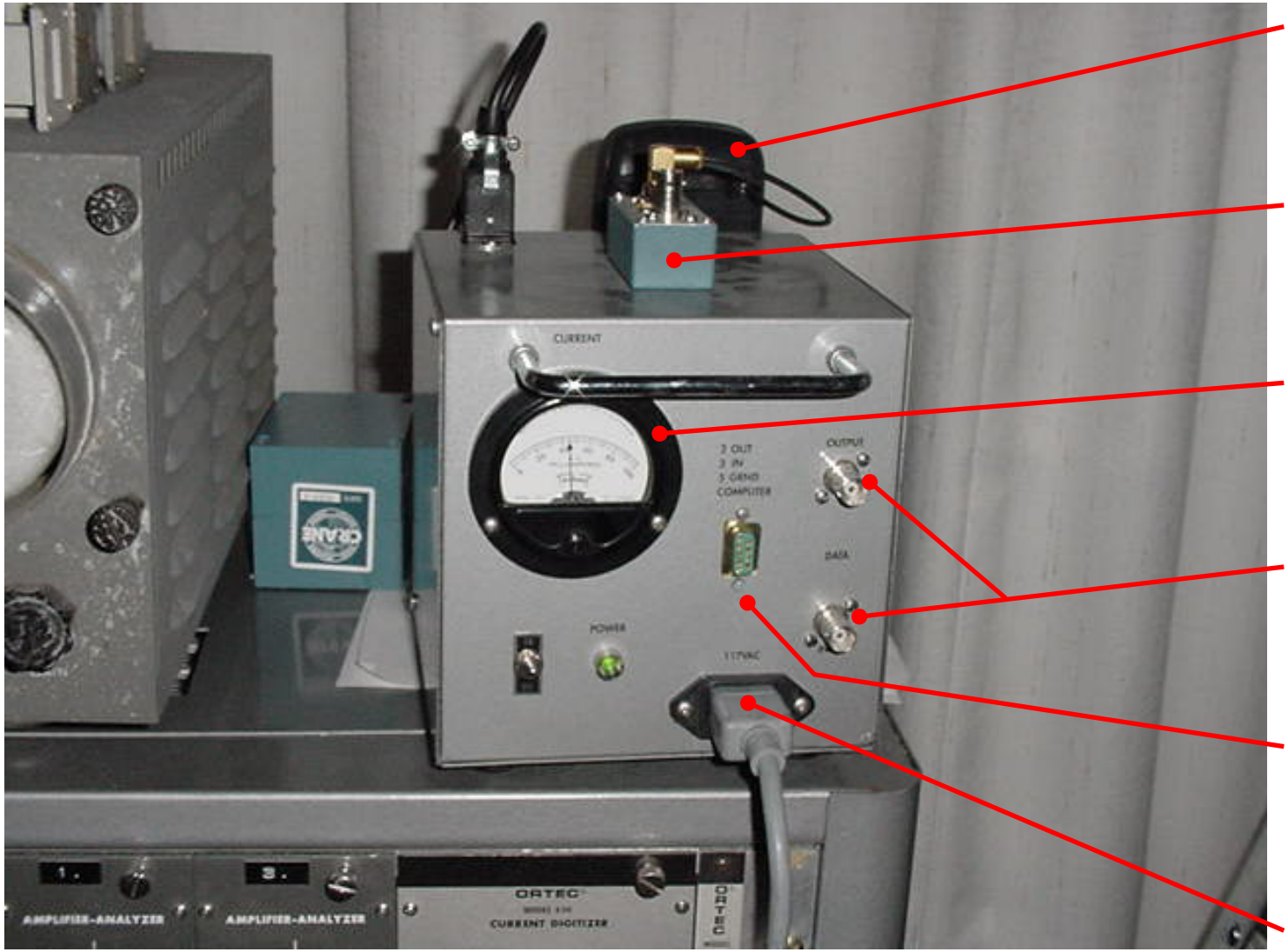
Distribution Amplifier Bias Tee, External View



Distribution Amplifier Bias Tee, Internal View

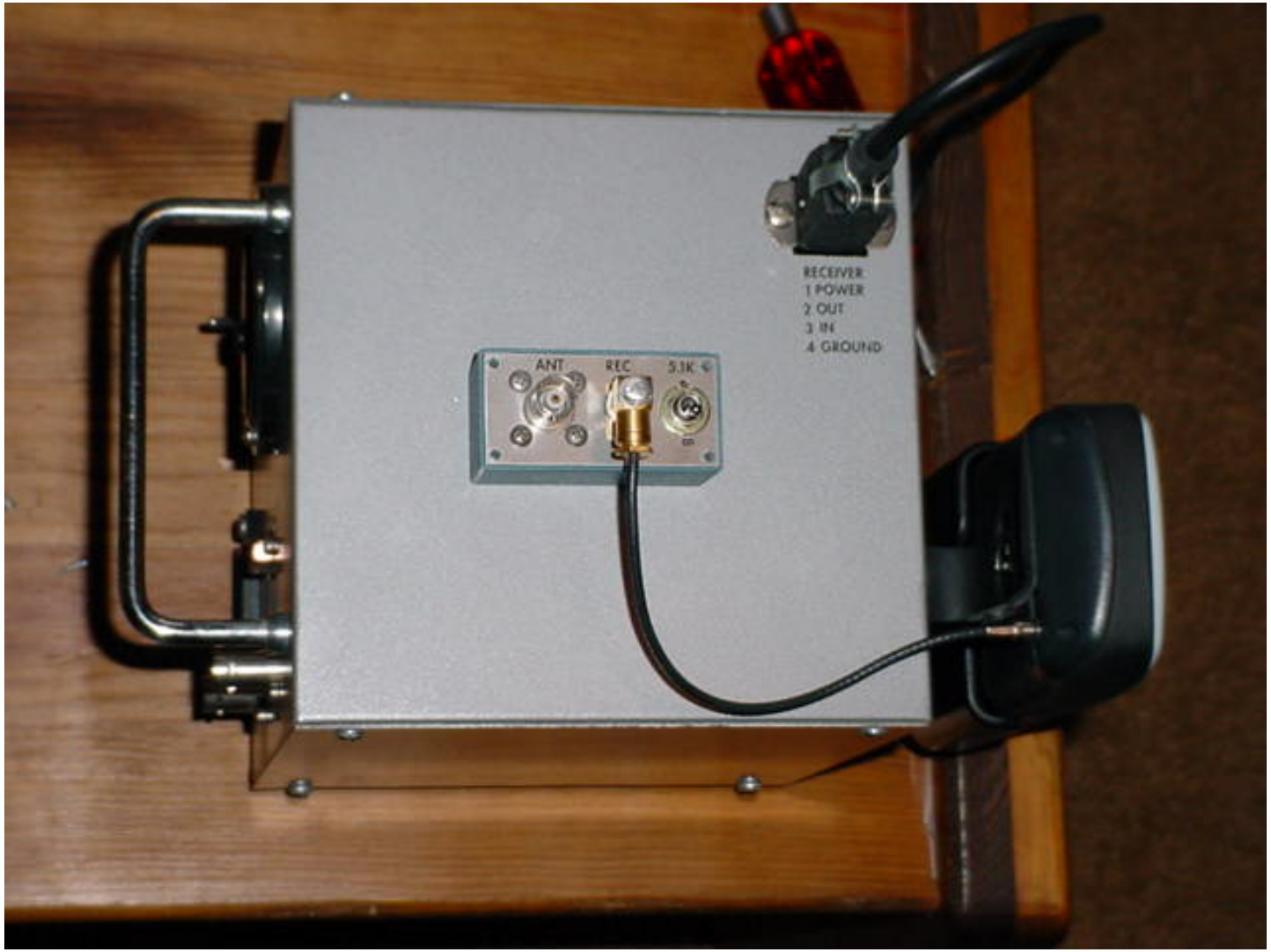


GPS76 Receiver Antenna Bias Tee

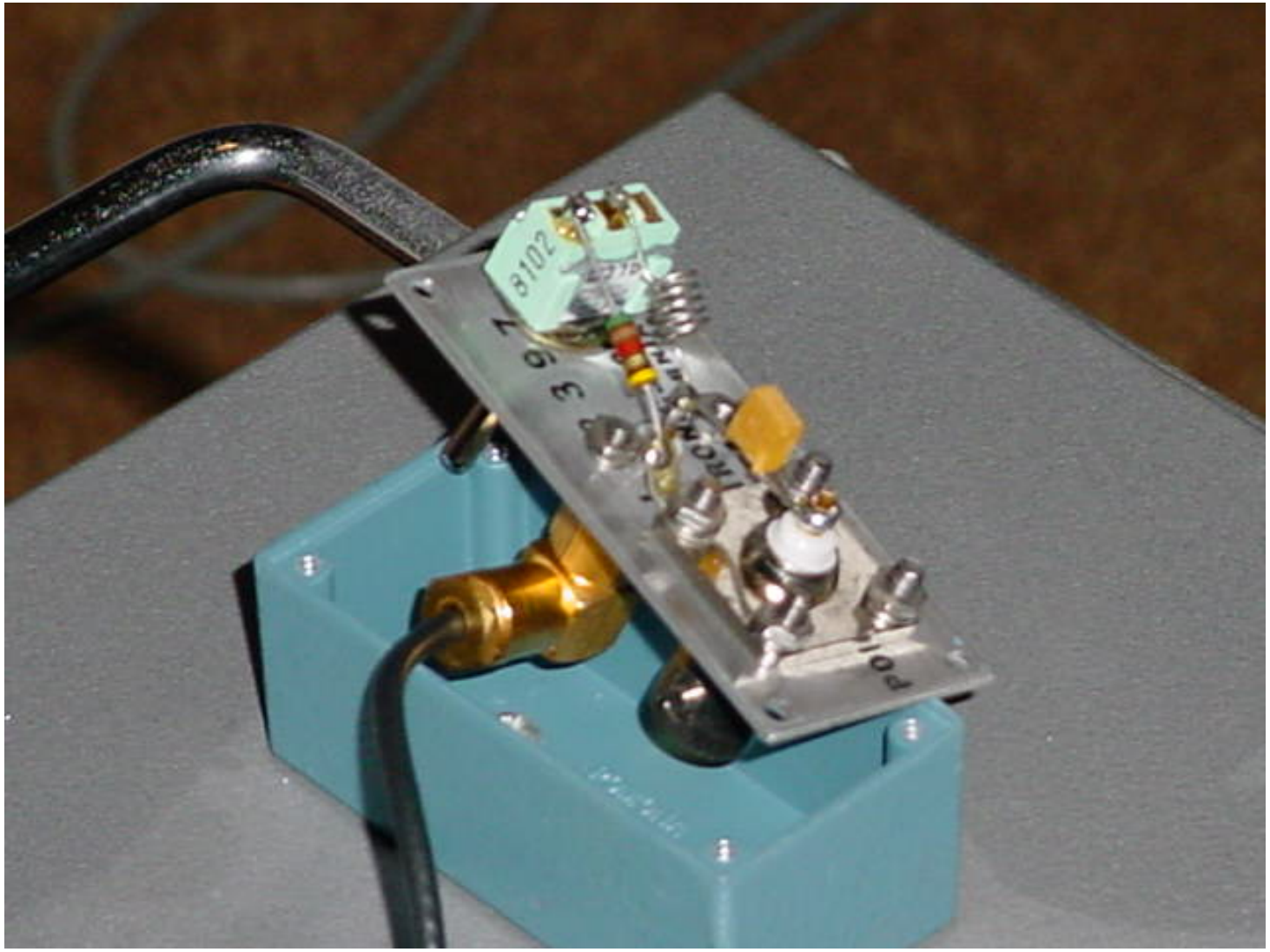


GPS76 Receiver & Docking Adapter, Rear View

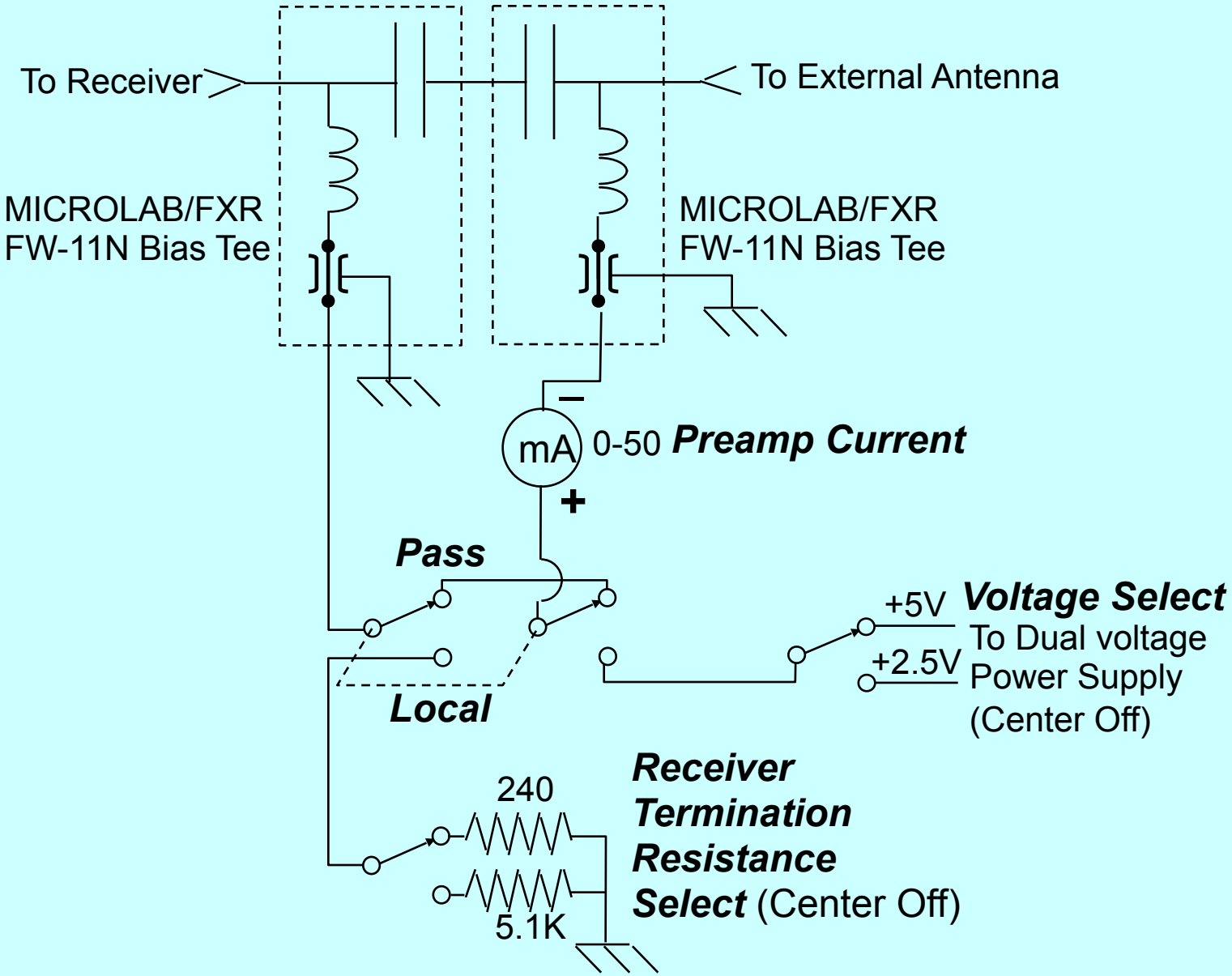
GPS76 Receiver & Docking Adapter, Front View



GPS76 Bias Tee, External View



GPS76 Bias Tee, Internal View



Universal GPS Bias Tee Circuit

Universal Bias Tee, External View

Thank You!!

Any Questions ???